Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Project Division

Name of Work: Community property maintenance including parks in Ward no. 03

Est Cost : 2,50,000/-

DETAILED QUANTITY CALCULATION & COST ESTIMATE

Item No.	Description	Unit	No.	Length, m	Width, m	Depth, m	Quantity	Rate, Rs	Amount, Rs
A	**Civil Works**								
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. Specification No. 301. (P.No.143, I.No.19.1 of PW, P&IWTD SR 2018-19)								
	Basic Rate	130.00							
	Add Area weightage of 6%	7.80							
	Sub Total	137.80							
	load unloading 12km lead & lift	87.72							
	Total	225.52							
		Cum							
	For Chain Link Fencing								
	Chain Link Fencing		1	30.00	0.80	0.60	15.00		
							15.00	**225.52**	**3383.00**
2	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2 (P.No.13, I.No.4.3 of PW, P&IWTD SR 2018-19)								
	Basic Rate	5102.00							
	Add Area weightage of 6%	306.12							
	Sub Total	5408.12							
	For Walking Track - base								
	Kerbstone	**Cum**	2	21.00	0.20	0.10	0.84		
	For Chain Link Fencing								
	Chain Link Fencing		1	30.00	0.75	0.15	3.38		
							4.22	**5408.12**	**22796.00**
3	KSRB 5.2-2 : Providing and constructing **granite / trap / basalt size stone masonry** in foundation with cement mortar 1 : 6 stone hammerd dressed in courses not less than 20 ems high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.No. 25, I.No.5.6 of PW, P&IWTD SR 2018-19)								
	Basic Rate	4596.00							
	Add Area weightage of 6%	275.76							
	Sub Total	4871.76							
	For Chain Link Fencing	**Cum**							
			1	30.00	0.60	0.40	7.20		
			1	30.00	0.45	0.40	5.40		
			-15	0.45	0.45	0.45	-1.37		
							11.23	**4521.96**	**50796.00**
4	KSRB 4-1 .6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement@ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. (P.No.13, I.No.4.6 of PW, P&IWTD SR 2018-19)								
	Basic Rate	5422.00							
	Add Area weightage of 6%	325.32							
	Sub Total	5747.32							

Scanned by CamScanner

em No.	Description	Unit	No.	Length, m	Width, m	Depth, m	Quantity	Rate, Rs	Amount, Rs
	Coping								
	Chain Link Fencing	**Cum**	15	0.45	0.45	0.45	1.37		
			1	30.00	0.45	0.10	1.35		
							2.72	**5747.32**	**15615.00**
5	Providing **chain link fencing** 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint. (P.No.266, I.No.37.3 of PW, P&IWTD SR 2018-19)								
	Basic Rate	715.00							
	Add Area weightage of 6%	42.90							
	Sub Total	757.90							
	Chain Link Fencing	**Sqm**	1	30.00		1.80	54.00		
							54.00	**711.72**	**38433.00**
6	Supplying and fixing **M.S. Rectangular poles** made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1 :2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 ems. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (P.No.266, I.No.37.2 of PW, P&IWTD SR 2018-19)								
	Basic Rate	859.00							
	Add Area weightage of 6%	51.54							
	Sub Total	910.54							
	Chain Link Fencing	**m**	15	2.25			33.75		
							33.75	**884.52**	**29853.00**
7	Providing and fixing **M.S. Block pipe** of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint. (P.No.266, I.No.37.4 of PW, P&IWTD SR 2018-19)								
	Basic Rate	408.00							
	Add Area weightage of 6%	24.48							
	Sub Total	432.48							
	Chain Link Fencing	**m**	2	30.00			60.00		
							60.00	**349.92**	**20996.00**
8	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. (P.No.27, I.No.5.30 of PW, P&IWTD SR 2018-19)								
	Basic Rate	408.00							
	Add Area weightage of 6%	24.48							
	Sub Total	432.48							
	For Walking Track	**Nos**	2	21.00			42.00		
	A					**A**	**42.00**		
	B=A/.045					**B**	**93.00**	**432.48**	**40221.00**
9	KSRRB 800-1. **Painting two coats** after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8. (P.No.178, I.No.24.1 of PW, P&IWTD SR 2018-19)								
	Basic Rate	80.00							
	Add Area weightage of 6%	4.80							
	Sub Total	84.80							
	For Walking Track	**Sqm**	2	21.00	0.30		12.60		

Scanned by CamScanner

em No.	Description	Unit	No.	Length, m	Width, m	Depth, m	Quantity	Rate, Rs	Amount, Rs
							12.60	64.80	817.00
								Total Cost of Construction, Rs.	222910.00
								12% GST	26749.20
								Rounding Off, Rs.	340.80
								Total Project Cost, Rs.	250000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

Assistant Engineer,
Yelahanka Project Division

Asst. Exec. Engineer,
Yelahanka Project Division

Executive Engineer,
Yelahanka Project Division

Administrative Approval

Accorded For Rs 2.5 lakhs only
Head of A/C P-3292
CER NO : 44 Dt: 22/02/19

E.E. (Project)

Technical Sanction

Accorded For Rs 2.5 lakhs only
Head of A/C P-3292
CER NO : 18 Dt: 22/02/19

E.E. (Project)

Scanned by CamScanner